

# NEBRASKA

## WEATHER & CROPS

CLEARINGHOUSE

NOV 8 1993

NEBRASKA


**AGRICULTURAL  
STATISTICS  
SERVICE**

For Week Ending July 25, 1993

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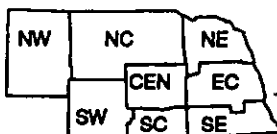
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National Agricultural Statistics Service  
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National Oceanic and Atmospheric Admin.  
National Weather Service



Nebraska Department of Agriculture  
Division of Agr'l. Statistics  
Cooperative Extension Service  
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and Natural Resources-UN-L

### WEATHER

Average temperatures for the week ranged from three to six degrees below normal. Locally heavy rains continued over the State with major flooding in the southeast. Weekly rainfall totals ranged from around a third of an inch in parts of the west up to ten to fifteen inches in the southeast.

### GENERAL

Cool, wet weather conditions once again hampered fieldwork activities across the State, according to the Nebraska Agricultural Statistics Service. Wheat harvest in the Panhandle and southwest was slowed, but not like the rest of the State. The excess moisture conditions continued to severely limit any fieldwork from hay, oat and wheat harvest to row crop weed control. The current weather conditions continued to slow crop development and has raised concerns about the lack of growing degree days for this season.

### CROPS

**Winter wheat** condition was rated at 8% very poor, 14% poor, 39% fair, 36% good, and 3% excellent. Harvest made some progress in a few areas, mostly western areas, but for the most part was further delayed by wheat moisture content and muddy field conditions. The current weather conditions are causing problems in some fields with weed growth, wheat going down, and deteriorating quality. As of Sunday, about 28% of the wheat had been harvested. This was over three weeks behind the average completion at 89% to date.

### CROPS (Cont.)

**Corn** condition was rated at 6% poor, 34% fair, 54% good, and 6% excellent. Cool, wet conditions continued to keep crop development at a slower than normal pace. About 29% of the crop was silking by the end of the week, compared with 58% last year and 69% for the 5-year average. Fields in low-lying areas with excess moisture continue to exhibit crop deterioration.

**Soybean** condition was rated at 9% poor, 44% fair, 44% good, and 3% excellent. Blooming remained about ten days behind normal. Cultivation and weed spraying made very limited progress due to soil conditions. Weeds are becoming a problem in untreated fields.

**Sorghum** condition was rated at 3% very poor, 24% poor, 32% fair, 36% good, and 5% excellent. As with the other crops, some plants are yellowing due to excess moisture and limited sunshine.

**Dry bean** condition was rated at 34% fair and 66% good. Irrigation activities were underway. As of Sunday, 29% had reached blooming with 1% setting pods.

**Alfalfa** condition was rated at 11% poor, 30% fair, 55% good, and 4% excellent. Haying continued to be difficult. Although many acres are ready to be cut, continued rains delay that activity as well as wetting down mown hay. **Wild hay** condition was rated at 26% fair, 63% good, and 11% excellent.

### LIVESTOCK

Pasture and range condition was rated at 107% of normal and compares with 96% of normal last year at this time. Pastures continued to provide excellent grazing for livestock in most areas. Reduced gains for cattle on feed were experienced where mud was a problem.

FIELD WORK PROGRESS AS OF JULY 25, 1993	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% wheat ripe	94	100	93	100	100	100	100	100	98	83	98	99
% wheat harvested	21	14	3	11	14	52	24	14	28	13	70	89
% oats harvested	0	5	3	9	3	5	1	1	3	0	39	75
% corn silked	7	29	12	30	30	17	70	38	29	9	58	69
% soybeans blooming	0	38	12	6	37	38	43	61	34	11	55	63
% soybeans setting pods	0	6	3	0	3	3	9	14	5	0	5	14
% dry beans blooming	29	28	0	0	0	29	50	0	29	9	n/a	n/a
% dry beans podded	1	1	0	0	0	0	3	0	1	0	n/a	n/a
% alfalfa second cutting	44	57	26	38	25	66	46	27	39	29	73	82
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JULY 23, 1993												
Days suitable	5.3	2.6	0.9	1.5	0.5	2.4	0.8	0.6	1.8	2.7	2.9	
Topsoil moisture - Short	7	0	0	0	0	0	0	0	1	4	1	
(Percent) - Adequate	80	50	15	14	0	50	0	0	26	34	68	
- Surplus	13	50	85	86	100	50	100	100	73	62	31	
Subsoil moisture - Short	0	0	0	0	0	13	0	0	1	1	2	
(Percent) - Adequate	100	56	31	43	12	62	33	6	40	49	94	
- Surplus	0	44	69	57	88	25	67	94	59	50	4	

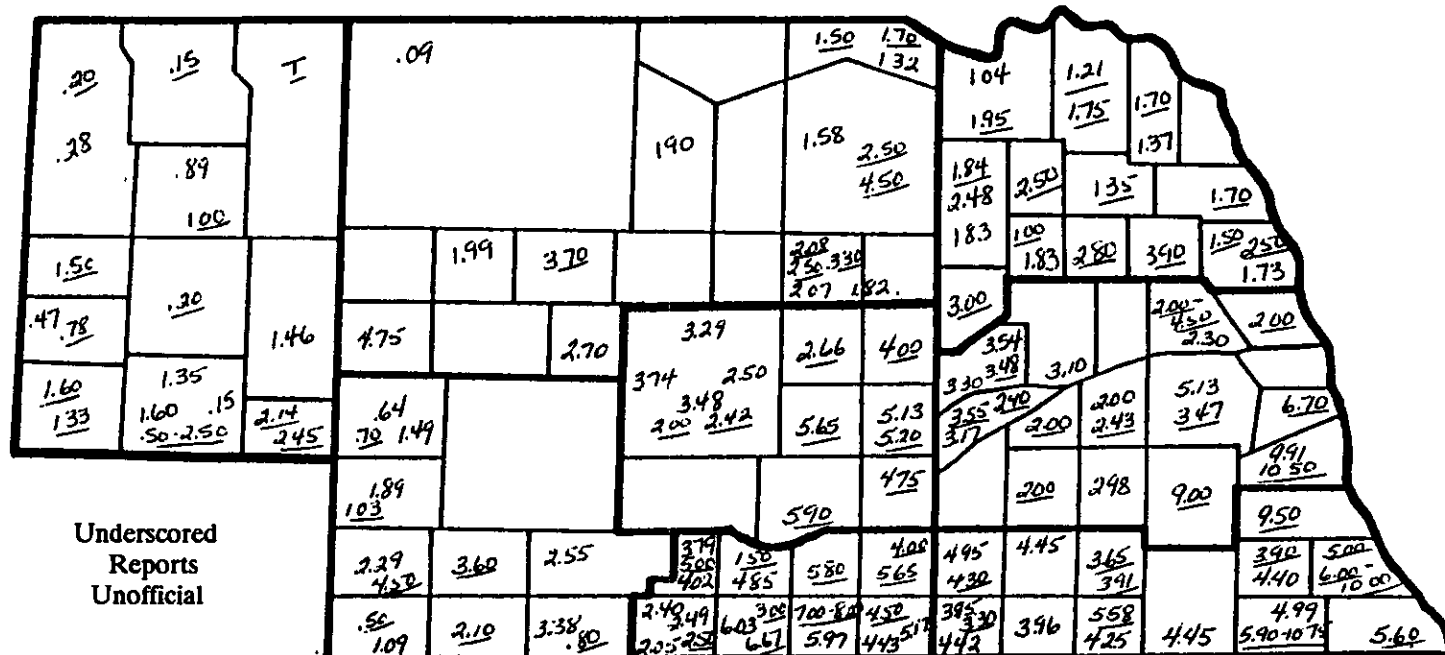
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# PRECIPITATION MAP FOR WEEK ENDING FRIDAY, JULY 23, 1993



## PRECIPITATION, APRIL 1 - JULY 23, 1993

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week .....	.89	2.02	1.71	3.63	3.94	1.90	4.12	4.42
Total since April 1 .....	9.75	16.52	21.04	19.16	24.17	13.72	19.15	24.17
Normal since April 1 .....	9.62	11.37	12.84	12.19	13.48	10.42	12.16	13.92
Total as % of normal .....	101%	145%	164%	157%	179%	132%	157%	174%

## TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SUNDAY, JULY 25, 1993

Station		Temperature				Precipitation	Growing Degree Data Since April 15		
		Extremes		Mean	Departure	Total Inches 1/	Last Week	Current	Normal
		Max	Min						
NW	Chadron	88	53	70	---	.90	---	---	---
	Scottsbluff	89	50	69	-6	2.64	1248	1376	1494
	Sidney	86	51	68	---	.33	1174	1300	1381
NC	Valentine	92	49	71	-5	.93	1216	1361	1525
NE	Norfolk	85	60	72	-4	.84	---	---	---
	Sioux City	85	58	73	-3	.76	---	---	---
	Concord	---	---	---	---	---	1275	1415	1676
	Elgin	---	---	---	---	---	1238	1377	1614
	West Point*	---	---	---	---	---	1375	1524	1713
CEN	Grand Island	85	62	73	-4	1.36	1418	1576	1760
	Ord	87	60	71	---	.37	1285	1426	1638
EC	Lincoln	88	64	75	-4	7.31	1517	1682	1827
	Omaha	82	63	72	-5	4.28	1490	1643	1798
	Columbus	---	---	---	---	---	1525	1683	1797
	York	---	---	---	---	---	1444	1605	1801
SW	Imperial	---	---	---	---	---	---	---	---
	North Platte	86	53	70	-5	1.57	**1289	**1428	**1564
SC	Holdrege	---	---	---	---	---	1397	1550	1725
SE	Beatrice	---	---	---	---	---	1509	1678	1785
	Clay Center	---	---	---	---	---	1402	1559	1747

1/ Precipitation totals not included in map above. \* Automated weather station. \*\* North Platte Experiment Station.

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max. temp. + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.